

Title (en)

METHOD AND DEVICE FOR MEASURING GLUCOSE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR GLUKOSEMESSUNG

Title (fr)

PROCEDE ET DISPOSITIF POUR MESURER LE TAUX DE GLUCOSE

Publication

EP 1691671 B1 20091021 (EN)

Application

EP 02760503 A 20020904

Priority

IB 0203604 W 20020904

Abstract (en)

[origin: US7184810B2] In order to measure the glucose level in the body tissue of a subject, a probe is applied the subject's skin. Electric pulses from a pulse generator are fed to the probe and partially reflected back to a measuring device, where a time resolved measurement is made. The charge obtained from an integration of the measured voltage is transformed to a glucose level using data from a calibration table. This method allows to monitor glucose non-invasively.

IPC 8 full level

A61B 5/00 (2006.01); **A61B 5/05** (2006.01)

CPC (source: EP US)

A61B 5/05 (2013.01 - EP US); **A61B 5/14532** (2013.01 - EP US)

Citation (examination)

WO 02069791 A1 20020912 - PENDRAGON MEDICAL LTD [CH], et al

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DOCDB simple family (publication)

WO 2004021877 A1 20040318; **WO 2004021877 A9 20061102**; AT E446045 T1 20091115; AU 2002326098 A1 20040329; AU 2002326098 A8 20040329; DE 60234138 D1 20091203; EP 1691671 A1 20060823; EP 1691671 B1 20091021; US 2005203361 A1 20050915; US 7184810 B2 20070227

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IB 0203604 W 20020904; AT 02760503 T 20020904; AU 2002326098 A 20020904; DE 60234138 T 20020904; EP 02760503 A 20020904; US 7085305 A 20050302